

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Gerhard Erker et al.

Application No.: 09/851,643

Confirmation No.:

Filed: May 8, 2001

Art Unit: 1621

For: TRANSITION METAL COMPOUND

Examiner: G. P. Nazario

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08.

This Information Disclosure Statement is filed after the close of the interference no 105,362. All the references cited in Dow Chemical Company's Exhibit List exhibit nos. 1020-1041 are enclosed with this IDS. Exhibits 1001-1019 have been redacted since they are not prior art relating to this application. In addition, the applicant has become aware of some additional references which are also cited in the IDS.

In accordance with 37 C.F.R. § 1.98(a)(2)(ii), Applicants have not submitted copies of U.S. patents and U.S. patent applications. Applicants submit herewith copies of foreign patents and non-patent literature in accordance with 37 C.F.R. § 1.98(a)(2).

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this

application by this firm) to our Deposit Account No. 03-2775, under Order No. 09086-00176-US.

Dated: July 16, 2007

Respectfully submitted,

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Substitute for form 1449/PTO				<i>Complete if Known</i>	
				Application Number	09/851,643
				Filing Date	May 8, 2001
				First Named Inventor	Gerhard Erker
				Art Unit	1621
				Examiner Name	G. P. Nazario
Sheet	1	of	2	Attorney Docket Number	09086-00176-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
AA*	US-4,590,287		05-20-1986	Riediker et al.	
AB*	US-4,857,654		08-15-1989	Riediker et al.	
AC*	US-4,963,470		10-16-1990	Klingert et al.	
AD*	US-5,026,625		06-25-1991	Riediker et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ -Number ⁴ - Kind Code ⁵ (if known)			
BA	EP-0122223-A2		10-17-1984	Ciba Geigy AG	
BB	EP-0255486-A2		02-03-1988	Ciba Geigy AG	
BC	EP-0256981-A2		02-24-1988	Ciba Geigy AG	
BD	EP-0277003-A1		08-03-1988	Exxon Chemical Patents Inc	
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BF	EP-0318893-A2		06-07-1989	Ciba Geigy AG	
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BH	JP-5039229		02-19-1993	Idemitsu Kosan Co	
BI	EP-0553491-A1		08-04-1993	Tosoh Corp	
BJ	WO-94/00500-A1		01-06-1994	Exxon Chemical Patents Inc	
BK	EP-0587141-A1		03-16-1994	Tosoh Corp	
BL	EP-0587143-A1		03-16-1994	Tosoh Corp	
BM	JP-6087877		03-29-1994	Tosoh Corp	
BN	JP-06239913		08-30-1994	Mitsui Petrochemical Ind	See Abstract

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	CA	GOMEZ, R. et al., "Dialkyl- and Chloroalkyltitanium <i>ansa</i> - Metallocene Complexes: Synthesis and Characterization. Crystal Structure of [η 5- η 5-(C5H4)2Si(CH3)2]TiClCH3", Organometallics, 1991, Vol. 10, pp. 2516-2518.			
	CB	GROSSMAN, R. B. et al., "Enantioselective, Zirconium-Mediated Synthesis of Allylic Amines", J. Am. Chem. Soc., 1991, Vol. 113, pp. 2321-2322.			
	CC	COLLINS, S. et al., "Additions of Chiral Allyltitanocenes to Aldehydes: Diastereoselective Synthesis of Homoallylic Alcohols with a Recyclable Chiral Transition Metal Reagent", J. Org. Chem., 1989, Vol. 54, pp. 4154-4158.			
	CD	BUNEL, E. et al., "Carbon-Carbon Bond Activation via β -Alkyl Elimination. Reversible			

Examiner Signature	Date Considered
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Sheet	2	of	2	Attorney Docket Number	09086-00176-US

		Branching of 1,4-Pentadienes Catalyzed by Scandocene Hydride Derivatives", J. Am. Chem. Soc., 1988, Vol. 110, pp. 976-978.	
	CE	YASUDA, H. et al., "Zirconocene- η 4-1,3-Pentadiene Complex and Its Higher Homologues. A New Synthetic Method Involving σ - π Rearrangement of the Hydrido-2,4-pentadienylzirconium Species", Organometallics, 1984, Vol. 3, pp. 1470-1478.	
	CF	SMITH, J. A. et al., "Ansa-Metallocene Derivatives, III*. Influence of an Interannular Ethylene Bridge on the Reactivity of Titanocene Derivatives", Journal of Organometallic Chemistry, 1981, Vol. 218, pp. 159-167.	
	CG	COLLMAN, J. P. et al., "Survey According to Ligand," Principles and Applications of Organotransition Metal Chemistry, 1987, pp. 94-182.	
	CH	CHOUKROUN, R. et al., "Zirconium(III) Chemistry: Influence of Olefins in Thermolytic Behavior of (Cp ₂ ZrHX) _n ", Polyhedron, 1989, Vol. 8, No. 13/14, pp. 1758-1759.	
	CI	WILD, F. R.W.P. et al., "ansa-Metallocene Derivatives, IV. * Synthesis and Molecular Structure of Chiral ansa-Titanocene Derivatives with Bridged Tetrahydroindenyl Ligands", Journal of Organometallic Chemistry, 1982, Vol. 232, pp. 233-247.	
	CJ	HORTON, A. D., "Double-Insertion Reaction of Alkynes with [Cp' ₂ ZrMe] ⁺ : Formation of an Unusual Distorted η 5-Pentadienyl Ligand", Organometallics, 1992, Vol. 11, pp. 8-10.	
	CK	SIKORA, D. J. et al., "Reactions of Cp ₂ M(CO) ₂ and Cp ₂ M(CO)(PPh ₃) (M = Zr, Hf) with Acetylenes: Formation of Some Metallacyclopentadiene Complexes of Zirconocene and Hafnocene", Journal of Organometallic Chemistry, 1984, Vol. 276, pp. 21-37.	
	CL	DIAMOND, G. M. et al., "Diene and Arene Compounds of Zirconium and Hafnium", J. Chem. Soc. Dalton Trans., 1992, pp. 2641-2646.	
	CM	YASUDA, H. et al., "Regio- and Stereochemistry in the Sequential Insertion of Carbonyl Compounds into Zirconium-Diene Complexes", Journal of Organometallic Chemistry, 1989, Vol. 363, pp. 61-76.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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